Transportation Engineering – ITE Journal Index

Volume 48

No. 1, January 1978 through No. 12, December 1978

Subject Index

Accidents

Relationship Between the Removal of Traffic Signals and Intersection Accidents. Louis G. Neudorff, Jan. pp. 16-20

Development of a Local Computerized Accident Record System. Dennis O'Malley and James Brunett II, Apr. pp. 35-36

Motor Vehicle Injuries: Causes and Amelioration. Leon S. Robertson, Ph.D., Nov. pp. 16-18

Education

Providing a Helping Hand: A Five-Year Overview of ITE's Traffic Technician Curriculum. Dec. pp. 16-19

Energy and Environment

Will the Reaction of the Auto Transportation System to the Energy Crisis Be Technological or Institutional? Frank W. Davis, Jr. and Lawrence F. Cunningham, Feb. pp. 26-31

Transportation Control Plans: The Next Round. Louis E. Keefer, Jun. pp. 19-22

Energy Conservation Measures. An ITE Informational Report by the Technical Ad Hoc Committee on Energy Conservation Measures, Aug. pp. 30-35

Outlook for Free-Wheeling Transportation Vehicles-What's Down the Road. An ITE Informational Report by Committee 6F-15, Aug. pp. 36-45

Vehicular Fuel Consumption on Arterial Streets. Marilyn F. Gardner, Nov. pp. 14-15

Effects of Urban Traffic Control Strategies on Fuel Consumption. P. D. Christopherson and G. G. Olafson, Nov. pp. 40-44

Financial and Funding Considerations

Safety Benefits from the Categorical Safety Programs. Thomas A. Hall, P.E., Feb. pp. 21-24

The Design of Traffic Pricing Schemes. E. P. Holland and P. L. Watson, Feb. pp. 32-38

An Evaluation of the Highway Safety Program. ITE, Feb. pp. 39-43

Improving Transportation System Planning: A Highway Financial Analysis Model. Charles B. Mudd, Jr. and Mark C. Filteau, Mar. pp. 31-35

Funding Programs for Inventory, Replacement and Upgrading of Traffic Control Devices. Andrew Lampe, Apr. pp. 40-41

Alternative Strategies for Federal Mass Transit Assistance. Porter K. Wheeler and Richard R. Mudge, May pp. 20-25

Student Paper Award Winner 1978: Cost as a Criterion for Evaluating Highway Level of Service. Shih-Miao Chin, Aug. pp. 16-21

Tolls As an Airport Ground Traffic Management Concept. Arthur H. Goldberg, Nov. pp. 38-39

Future Growth Considerations

Travel Forecasting: Sadat City, Egypt New Town. Ronald E. Tadross, Sep. pp. 38-42

Highway Systems and Design

Passing Sight Distance and No-Passing Zones: Present Practice in Light of Needs for Revision. W. G. Weber, Sep. pp. 14-18

Institute of Transportion Engineers

International Transportation Problems, Solutions Bridged at Mexico City Meeting. Jan. pp. 12-15

Educational Foundation Established at January Board Meeting. Apr. p. 13

1977 Annual Report. May pp. 27-38

1978 Policies: Invitation for Comment. Robert E. Heightchew, Jun. pp. 42-43

Seminars, Legislative Forum Combine with Southern Hospitality at Atlanta Meeting. Oct. pp. 44-49

Institute Policies Adopted. Robert E. Heightchew, Dec. pp. 43-44

Markings

A Model Performance Specification for the Purchase of Thermoplastic and Preformed Plastic Pavement Marking Materials. ITE Technical Council Committee 4Q-S Jan. pp. 39-47

Practical Application of Research Provides New Tools for the Traffic Engineer. Thomas B. Culp, P.E., Feb. pp. 18-20

Passing Sight Distance and No-Passing Zones: Present Practice in the Light of Needs for Revision. W. G. Weber, Sep. pp. 14-18

Mass Transportation

Mass Transit in Atlanta. W. O. Salter, P.E., Jan. pp. 23-26

Choosing Performance Indicators for Small Transit Systems. Dennis F. McCrosson, Mar. pp. 26-30

Alternative Strategies for Federal Mass Transit Assistance. Porter K. Wheeler and Richard R. Mudge, May pp. 20-25

Pedestrian Range as Related to Transit Stations and Their Immediate Surroundings. David W. Schoppert and William S. Herald, Mar. pp. 13-15

Methods for Measuring Rural Public Transportation Needs and Demand – An ITE Informational Report. ITE Technical Council Committee 6F-10, May pp. 39-46

System Design for Light Rail Transit Improves Intersection Performance. John Schnablegger and Stan Teply, Jun. pp. 36-39

Previewing the Nation's Newest Urban Transportation System. ITE, Jul. pp. 25-26

The MARTA Bus System: 80 Million Passengers a Year. ITE, Jul. p. 27

Construction Scenes on the MARTA Project. ITE, Jul. p. 28

An Analysis of Bus Flow Parameters in a Downtown Transit Mall. Arnold Torma and Snehamay Khasnabis, No. pp. 25-29

Fare-Free Transit: Do We Really Need a Demonstration Project? Richard M. Stanger, Nov. pp. 30-32

Parking

The Legibility of Symbolic Parking Signs. Donald A. Gordon and Joseph A. Boyle, Jan. pp. 32-36

Parking Demand at the Regionals. Richard C. Gern, Sep. pp. 19-24

Pedestrians and Bicycles

Traffic Engineering for Pedestrian Safety. Fred L. Orcutt Jr., P.E. and Hollins A. Walker Jr., P.E., Jan. pp. 16-21

Pedestrian Range as Related to Transit Stations and Their Immediate Surroundings. David W. Schoppert and William S. Herald, Mar. pp. 13-15

Children in Traffic. Per Schioldberg, Jun. pp. 32-35

Section Technical Award 1978: Traffic Safety Planning on School Sites. Michigan Section Committee on "Traffic Engineering Around Schools", Aug. pp. 22-29

A Plea for Consistency in Pedestrian Signal Timing. Steven A. Smith, Nov. pp. 33-37

Rail, Water and Air Transportation

Modernizing the Northeast Corridor. Beverly Rabner Silverberg, Jan. pp. 37-38

Planning for Intercity Rail Passenger Service at the State Level. Dennis L. Christiansen, P.E., Feb. pp. 13-17

Planning for Air Transportation in the Winnepeg Area. Harold J. Bell, May pp. 16-19

Planning and Management of Airport Gates: A Simulation Methodology. Kenneth R. Krauter and Ata M. Kahn, Sep. pp. 31-37

Safety

Safety Benefits from the Categorical Safety Programs. Thomas A. Hall, P.E., Feb. pp. 21-24

An Evaluation of the Highway Safety Program. ITE, Feb. pp. 39-43

Benefits of Highway Safety Improvements in California. David H. Henry, Mar. pp. 21-24

Section Technical Award 1978: Traffic Safety Planning on School Sites. Michigan Section Committee on "Traffic Engineering Around Schools", Aug. pp. 22-29

Forgiving Appurtenances Save Lives. F. J. Tamanini, P.E., Dec. pp. 20-25

A Safety Evaluation Approach for Road Improvement Projects. Moshe Livneh and Avishai Ceder, Dec. pp. 26-30

Signal Equipment and Operations

Flashing and Steady-Burn Barricade Warning Lights. ITE Technical Council Committee 4S-2, Feb. pp. 44-46

Relationship Between the Removal of Traffic Signals and Intersection Accidents. Louis G. Neudorff, Mar. pp. 16-20

Traffic Actuated Traffic Signal Controllers – Part I. ITE Technical Council Committee 4J-S, Mar. pp. 40-49

Traffic Actuated Traffic Signal Controllers – Part II. ITE Technical Council Committee 4J-S, Apr. pp. 46-50

Traffic Signal Lamps – Tentative Revised Standard. ITE Technical Council Committee 4R-S, May pp. 47-50

Green Extension Systems at High-Speed Intersections. Charles V. Zegeer and Robert C. Deen, Nov. pp. 19-24

A Plea for Consistency in Pedestrian Signal Timing. Steven A. Smith, Nov. pp. 33-37

Signal Systems

Atlanta's Traffic-Responsive Computerized Traffic Control System. Peter S. Parsonson and Joseph M. Thomas, Jr., Jul. pp. 29-40

Signs

The Legibility of Symbolic Parking Signs. Donald A. Gordon and Joseph A. Boyle, Jan. pp. 32-36

A Video-Logged, Computerized Traffic Sign Inventory. George F. Kloak and James J. McDonough, Apr. pp. 29-34

COMAP-Traffic Signs Computerized and Mapped. Sheldon Rice, Apr. pp. 37-39

Review of Usage and Effectiveness of Advisory Speeds – An ITE Informational Report, Technical Council Committee 41-M, Sep. pp. 43-46

Yield Sign Usage and Application. An ITE Informational Report, Technical Council Committee 4A-A, Oct. pp. 37-43

Speed

Review of Usage and Effectiveness of Advisory Speeds – An ITE Informational Report, Technical Council Committee 41-M, Sep. pp. 43-46

Survey and Study Methods

Choosing Performance Indicators for Small Transit Systems. Dennis F. McCrosson, Mar. pp. 26-30

Second Generation Photologging – Utah's Experience. David G. Blake, P.E., Apr. pp. 17-18

Photologging-A Data Collection Method for Roadway Information Systems. Tapan K. Datta and Bruce B. Madsen, Apr. pp. 19-25

The County of San Diego's Photolog System: A Method for Reducing Costs. Donald A. Holmes and Harry Crossley, Apr. pp. 26-28

A Video-Logged, Computerized Traffic Sign Inventory. George F. Kloak and James J. McDonough, Apr. pp. 29-34

COMAP-Traffic Signs Computerized and Mapped. Sheldon Rice, Apr. pp. 37-39

Identification of Critical Highway-Rail Crossing and Waterway Crossing Locations. Edward A. Mierzejewski, John Crosby and Winn Frank, Jun. pp. 27-31

Traffic and Transportation Engineering

Traffic Engineering and Pedestrian Safety. Fred L. Orcutt, Jr., P.E. and Hollins A. Walker, Jr., P.E., Jan. pp. 16-21

Local Public Relations in Transportation Matters. ITE Technical Council Committee 2-12, Mar. pp. 36-39

Human Factors in Transportation Engineering. Theodore W. Forbes, Jul. pp. 41-43

Traffic Operations

Guidelines for Prohibiting Right Turn on Red at Signalized Intersections. Hugh W. McGee, P.E., Jan. pp. 27-31

System Design for Light Rail Transit Improves Intersection Performance. John Schnablegger and Stan Teply, Jun. pp. 36-39

Past Presidents' Award 1978: Another Look at Signalized Intersection Capacity. William Kunzman, Aug. pp. 12-15

Student Paper Award Winner 1978: Cost as a Criterion for Evaluating Highway Level of Service. Shih-Miao Chin, Aug. pp. 16-21

The Control of Goods Vehicle Movements in Urban Areas-The London Experience. Brian B. Hassel, C. Eng., Dec. pp. 31-36

Transportation Engineering Profession

What Can an Association Do For You. John Bebeck, Aug. p. 47

Scouting and Transportation Engineering: A Contribution to Youth and the Profession. Jonathan Upchurch, P.E., Dec. pp. 45-46

Transportation Planning

Planning for Intercity Rail Passenger Service at the State Level. Dennis L. Christiansen, P.E., Feb. pp. 13-17

Improving Transportation System Planning: A Highway Financial Analysis Model. Charles B. Mudd, Jr. and Mark C. Filteau, Mar. pp. 31-35

Methods for Measuring Rural Public Transportation Needs and Demand – An ITE Informational Report. ITE Technical Council Committee 6F-10, May pp. 39-46

The Challenge in Developing a Multi-Modal Urban Transportation System. Wilbur S. Smith, Jun. pp. 23-26

Planning and Management of Airport Gates: A Simulation Methodology. Kenneth K. Krauter and Ata M. Kahn, Sep. pp. 31-37

Transportation Impacts of Auto Restricted Zones. William S. Herald, Sep. pp. 25-30

Unformity

The 1978 Manual on Uniform Traffic Control Devices – A Summary. ITE, Oct. pp. 17-32

Miscellaneous and Unclassified

Comprehensive Approach to Furnishing the City. Harold Lewis Malt, Apr. pp. 42-44

Identification of Research Oriented Topics-An Informational Report. ITE Technical Council Committee 2-13, Nov. pp. 40-41

The Maine Facility: Capabilities for Rural Road Research. Maurice H. Lanman III, Dec. pp. 37-42

Author Index

Bell, Harold J., *Planning for Air Transportation in the Winnepeg Area*, May, pp. 16-19

Bebeck, John, *What can an Association do for You*, Aug., p. 47

Blake, David G., *Second Generation Photologging – Utah's Experience*, Apr., pp. 17-18

Boyle, Joseph A., and Donald A. Gordon, *The Legibility of Symbolic Parking Signs*, Jan., pp. 32-36

Brunet II, James, and Dennis O'Malley, *Development of a Local Computerized Accident Record System*, Apr., pp. 35-36

Ceder, Avishai, and Moshe Livneh, *A Safety Evaluation Approach for Road Improvement Projects*, Dec., pp. 26-30

Chin, Shih-Miao, *Student Paper Award 1978: Cost as a Criterion for Evaluating Highway Level of Service*, Aug., pp. 16-21

Christiansen, Dennis L., *Planning for Intercity Rail Passenger Service at the State Level*, Feb., pp. 13-17

Christopherson, P. D., and G. G. Olafson, *Effects of Urban Traffic Control Stategies on Fuel Consumption*, Nov., pp. 40-44

Crosby, John, Edward A. Mierzejewski, Winn Frank, *Identification of Critical Highway-Rail Crossing and Waterway Crossing Locations*, Jun., pp. 27-31

Crossley, Harry, and Donald A. Holmes, *The County of San Diego's Photolog System: A Method for Reducing Costs*, Apr., pp. 26-28

Culp, Thomas B., *Practical Application of Research Provides New Tools for the Traffic Engineer*, Feb., pp. 18-20

Cunningham, Lawrence F., and Frank W. Davis, *Will the Reduction of the Auto Transportation System to the Energy Crisis be Technological or Institutional*, Feb., pp. 26-31

Datta, Tapan K., and Bruce B. Madsen, *Photologging--A Data Collection Method for Roadway Information Systems*, Apr., pp. 19-25

Davis, Frank W., and Lawrence F. Cunningham, *Will the Reaction of the Auto Transportation System to the Energy Crisis be Technological or Institutional?*, Feb., pp. 26-31

Deen, Robert C., and Charles V. Zegeer, *Green-Extension Systems at High-Speed Intersections*, Nov., pp. 12-24

Filteau, Mark C., and Charles B. Mudd, *Improving Transportation System Planning: A Highway Financial Analysis Model*, Mar., pp. 31-35

Forbes, Theodore W., *Human Factors in Transportation Engineering*, Jul, pp. 41-43

Frank, Winn, and Edward A. Mierzejewski, and John Crosby, *Identification of Critical Highway-Rail Crossing and Waterway Crossing Locations*, Jun., pp. 27-31

Gardner, Marilyn F., *Vehicular Fuel Consumption on Arterial Streets*, Nov., pp. 14-15

Gern, Richard C., *Parking Demand at the Regionals*, Sep., pp. 19-24

Goldberg, Arthur H., *Tolls as an Airport Ground Traffic Management Concept*, Nov., pp. 38-39

Gordon, Donald A., and Joseph A. Boyle, *The Legibility of Symbolic Parking Signs*, Jan., pp. 32-36

Hall, Thomas A., *Safety Benefits from the Categorical Safety Programs*, Feb., pp. 21-24

Hasell, Brian B., *The Control of Goods Vehicle Movements in Urban Areas – The London Experience*, Dec., pp. 31-36

Heightchew, Robert E., *1978 Policies: Invitation for Comment*, Jun., pp. 42-43

Heightchew, Robert E., *Institute Policies Adopted*, Dec., pp. 43-44

Henry, David H., *Benefits of Highway Safety Improvements in California*, Mar., pp. 21-24

Herald, William S., *Transportation Impacts of Auto Restricted Zones*, Sep. pp. 25-30

Herald, William S., and David W. Schoppert, *Pedestrian Range as Related to Transit Stations and Their Immediate Standings*, Mar., pp. 13-15

Holland, E.P., and P. L. Watson, *The Design of Traffic Pricing Schemes*, Feb., pp. 32-38

Holmes, David A., and Harry Crossley, *The County of San Diego's Photolog System: A Method for Reducing Costs*, Apr., pp. 26-28

ITE, *International Transportation Problems, Solutions Bridged at Mexico City Meeting*, Jan., pp. 12-15

ITE, Technical Committee 4Q-S, *A Model Performance Specification for the Purchase of Thermoplastic and Preformed Plastic Pavement Marking Materials*, Jan., pp. 39-47

ITE, *An Evaluation of the Highway Safety Program*, Feb., pp. 39-43

ITE, Technical Committee 4S-2, *Flashing and Steady-Burn Barricade Warning Lights*, Feb., pp. 44-46

ITE, Technical Committee 2-12, *Local Public Relations in Transportation Matters*, Mar., pp. 36-39

ITE, Technical Committee 4J-S, *Traffic Actuated Traffic Signal Controllers – Part I*, Mar., pp. 40-49

ITE, *Educational Foundation Established at January Board Meeting*, Apr., pp. 13-15

ITE, Technical Committee 4J-S, *Traffic Actuated Traffic Signal Controllers – Part II*, Apr., pp. 46-50

ITE, *1977 Annual Report*, May, pp. 27-38

ITE, Technical Committee 6F-10, *Methods for Measuring Rural Public Transportation Needs and Demand – An ITE Informational Report*, May, pp. 39-46

ITE, Technical Committee 4R-S, *Traffic Signal Lamps – Tentative Revised Standard*, May, pp. 47-50

ITE, Technical Committee 2-13, *Identification of Research Oriented Topics, An Informational Report*, Jun., p. 40

ITE, *Previewing the Nation's Newest Urban Transportation System*, Jul., pp. 25-26

ITE, *The MARTA Bus System: 80 Million Passengers a Year*, Jul., pp. 27

ITE, *Construction Scenes on the MARTA Project*, Jul., p. 28

ITE, Michigan Section Committee on "Traffic Engineering Around Schools", *Section Technical Award 1978: Traffic Safety Planning on School Sites*, Aug., pp. 22-29

ITE, Technical Council AD Hoc Committee on *Energy Conservation Measures, An ITE Informational Report*, Aug., pp. 30-38
ITE, Technical Committee 6F-15, *Outlook for Free-Wheeling Transportation Vehicles-What's Down the Road, An ITE Informational Report*, Aug., pp. 36-45
ITE, Technical Committee 41-M, *Review of Usage and Effectiveness of Advisory Speeds, An ITE Informational Report*, Sep., pp. 43-46
ITE, *The 1978 Manual on Uniform Traffic Control Devices – A Summary*, Oct., pp. 17-36
ITE, Technical Committee 4A-A, *Yield Sign Usage and Application, An ITE Informational Report*, Oct., pp. 37-43
ITE, *Seminars, Legislative Forum Combine with Southern Hospitality at Atlanta Meeting*, Oct., pp. 44-47
ITE, *Providing a Helping Hand: A Five-Year Overview of ITE's Traffic Technician Curriculum*, Dec., pp. 16-19
Kahn, Ata M. and Kenneth R. Krauter, *Planning and Management of Airport Gates: A Simulation Methodology*, Sep. pp. 31-37
Keefer, Louis E., *Transportation Control Plans: The Next Round*, Jun., pp. 19-21
Khasnabis, Snehamay and Arnold Torma, *An Analysis of Bus Flow Parameters in a Downtown Transit Mall*, Nov., pp. 25-29
Kloak, George F. and James T. McDonough, *A Video-Logged, Computerized Traffic Sign Inventory*, Apr., pp. 29-34
Krauter, Kenneth R. and Ata M. Kahn, *Planning and Management of Airport Cases: A Simulation Methodology*, Sep., pp. 31-37
Kunzman, William, *Past Presidents' Award 1978: Another Look at Signalized Intersection Capacity*, Aug., pp. 12-15
Lampe, Andrew, *Funding Programs for Inventory, Replacement, and Upgrading of Traffic Control Devices*, Apr., pp. 40-41
Lanman III, Maurice H., *The Maine Facility: Capabilities for Rural Road Research*, Dec., pp. 37-42
Livneh, Moshe and Avishai Ceder, *A Safety Evaluation Approach for Road Improvement Projects*, Dec., pp. 26-30
Madsen, Bruce, B. and Tapan K. Datta, *Photologging – A Data Collection Method for Roadway Information Systems*, Apr., pp. 19-25
Malt, Harold Lewis, *Comprehensive Approach to Furnishing the City*, Apr., pp. 42-44
McCrosson, Dennis F., *Choosing Performance Indicators for Small Transit Systems*, Mar., pp. 26-30
McDonough, James T. and George F. Kloak, *A Video-Logged, Computerized Accident Record System*, Apr., pp. 29-34
McGee, Hugh H., *Guidelines for Prohibiting Right Turn on Red at Signalized Intersections*, Jan., pp. 27-31
Mierzejewski, Edward A. and John Crosby, and Winn Frank, *Identification of Critical Highway – Rail Crossing and Waterway Locations*, Jun., pp. 27-31
Mudd, Charles B. and Mark C. Filteau, *Improving Transportation System Planning: A Highway Financial Analysis Model*, Mar., pp. 31-35
Mudge, Richard and Porter K. Wheeler, *Alternative Strategies for Federal Mass Transit Assistance*, May, pp. 20-25
Neudorff, Louis G., *Relationship Between Removal of Traffic Signals and Intersection Accidents*, Mar., pp. 16-20
Olafson, G. G. and P. D. Christopherson, *Effects of Urban Traffic Control Stategies on Fuel Consumption*, Nov., pp. 40-44
O'Malley, Dennis and James Brunet II, *Development of a Local Computerized Accident Record System*, Apr., pp. 35-36
Orcutt, Jr., Fred L. and Hollis A. Walker Jr., *Traffic Engineering for Pedestrian Safety*, Jan., pp. 16-21
Parsonson, Peter S. and Joseph M. Thomas Jr., *Atlanta's Traffic-Responsive Computerized Traffic Control System*, Jul, pp. 29-40
Rice, Sheldon, *COMAP-Traffic Signs Computerized and Mapped*, Apr., pp. 37-38
Robertson, Leon, S., *Motor Vehicle Injuries Causes and Amelioration*, Nov., pp. 16-18
Salter, W. O., *Mass Transit in Atlanta*, Jan., pp. 23-26
Schioldberg, Per, *Children in Traffic*, Jun., pp. 32-33
Schnablegger, John and Stan Teply, *System Design for Light Rail Transit Improves Intersection Performance*, Jun., pp. 36-39
Schoppert, David W. and William S. Herald, *Pedestrian Range as Related to Transit Stations and Their Immediate Surroundings*, Mar., pp. 13-15
Silverberg, Beverly Rabner, *Modernizing the Northeast Corridor*, Jan., pp. 37-38
Smith, Steven A., *A Plea for Consistency in Pedestrian Signal Timing*, Nov., pp. 33-37
Smith, Wilbur S., *The Challenge in Developing a Multi-Modal Urban Transportation System*, Jun., pp. 23-26
Stanger, Richard M., *Fare-Free Transit: Do We Really Need a Demonstration Project*, Nov., pp. 30-32
Tadross, Ronald E., *Travel Forecasting: Sadat City, Egypt New Town*, Sep., pp. 38-42
Tamanini, F. J., *Forgiving Appurtenances Save Lives*, Dec., pp. 20-25
Teply, Stan and John Schnablegger, *System Design for Light Rail Transit Improves Intersection Performance*, Jun., pp. 36-39
Thomas Jr., Joseph M. and Peter S. Parsonson, *Atlanta's Traffic-Responsive Computerized Traffic Control System*, Jul., pp. 29-40
Torma, Arnold and Snehamay Khasnabis, *An Analysis of Bus Flow Parameters in a Downtown Transit Mall*, Nov., pp. 25-29
Upchurch, Jonathan E., *Scouting and Transportation Engineering: A Contribution to Youth and the Profession*, Dec., pp. 45-46
Walker, Hollins A. and Fred L. Orcutt, *Traffic Engineering for Pedestrian Safety*, Jan., pp. 16-21
Watson, P. L. and E. P. Holland, *The Design of Traffic Pricing Schemes*, Feb., pp. 32-38
Weber, W. G., *Passing Sight Distance and No-Passing Zones: Present Practice in the Light of Needs for Revisions*, Sep., pp. 14-18
Wheeler, Porter K. and Richard R. Mudge, *Alternative Strategies for Federal Mass Transit Assistance*, May, pp. 20-25
Zegeer, Charles V. and Robert C. Deen, *Green-Extension Systems at High-Speed Intersections*, Nov., pp. 19-24